

JSDV-100 Installation Instructions

The JSDV-100 is a remote volume control for the JSD-100 cinema processor. The JSDV-100 connects to the JSD-100 using USL-LINK. USL-LINK is designed to be "daisy chained" from one piece of equipment to the next. If the JSDV-100 is the only piece of equipment on the USL-LINK, a 3-pair cable (such as three of the four pairs in a CAT5 cable) is used to connect the JSDV-100 directly to the JSD-100. If multiple pieces of equipment are to be used on the USL-LINK (such as multiple JSDV-100 units), a cable is run from the JSD-100 to the first unit, then to the next, etc. The JSDV-100 has two RJ-25 (6P6C) connectors to allow for simple daisy chaining of units.

Firmware Requirements

The JSDV-100 Remote Volume Control requires the firmware versions listed below. The required firmware is on the CD that shipped with the JSDV-100. Firmware, except for that on the rear panel output board, can be updated through the GUI or through a web browser.

PIC	D_110418-A_110318-A_0 or later	Note: The 110318 firmware update requires swapping out the output board on the back of the JSD-100. If the GUI does not report 110318 or later for the second number in this version information, please contact USL for a replacement rear panel. The 110418 code can be updated in the field through the Software Update Tab on the GUI or through a web browser.
DSP 1	1101214	DSP 1 firmware can be loaded in the field using the Software Update Tab on the GUI or through a web browser.
DSP 2	2101214	DSP 2 firmware can be loaded in the field using the Software Update Tab on the GUI or through a web browser.

JSD-100 Firmware Update

Update through a GUI

The firmware in the main processor (PIC) and the Digital Signal Processors (DSPs) in the JSD-100 may be updated through the GUI over an Ethernet or USB connection.

Select the "Software Update" tab. The right side of the screen displays the current firmware versions. The left side of the screen contains controls to perform a firmware update. Firmware is usually delivered in a software package that includes new versions of the code for each DSP and the PIC. We suggest making the updates in this order: DSP2, DSP1, and PIC. Look at the versions of each piece of code in the software package. If one of the versions is already installed in the JSD-100, that portion of the JSD-100 does not need to be updated. Select the device to be updated: DSP2, DSP1, or the PIC. Press the "Browse" button to select the file to be downloaded to the JSD-100. Press the "Download" button. During the download, the front panel LEDs on the JSD-100 will flash. After a download of the PIC, the JSD-100 will reset to start executing the new code. The GUI will disconnect at that time.



Update through a Web Browser

Type in the IP address of the JSD-100 into the URL field of a web browser. From the JSD-100 home page, click on “Configuration Page”. The JSD-100 will require a username and password. The username is “admin” and the default password is “ultra”. On the configuration page, click on “Update Firmware Page”. The current firmware versions are shown within the buttons on the page. If these need updating, select the appropriate file from the CD that was shipped with the JSDV-100 and then press the corresponding button. During the download, the front panel LEDs on the JSD-100 will flash. After a download of the PIC, the JSD-100 will reset to start executing the new code. The browser will disconnect at that time.

JSD-100 v110418 Firmware Update Page

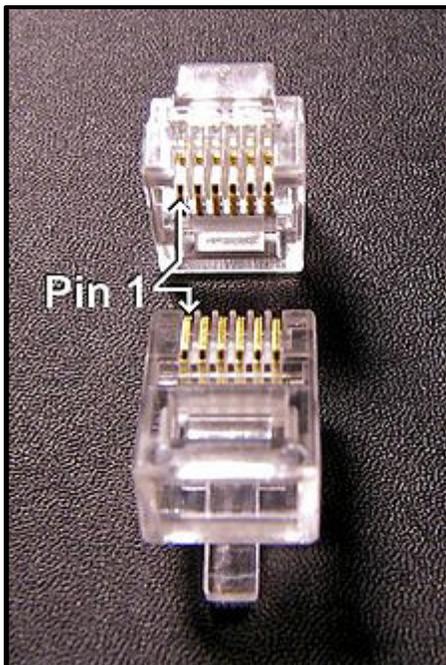
[Status Page](#) | [Configuration Page](#)

Select the file supplied by USL to update the appropriate system processor.

	Browse...	Update Main Processor 110418
	Browse...	Update DSP 1 1101214
	Browse...	Update DSP 2 2101214

Installation

1. Mount the supplied electrical box at the desired JSDV-100 location/s.
2. Run a CAT5 cable from the JSD-100 to the JSDV-100 location/s, daisy chaining as described above.
3. Install the supplied RJ-25 connectors at each end of the cable. Cut off the brown-white/brown pair since it is not used. The pins should get the wire colors indicated below:



1	white/green
2	white/orange
3	blue
4	white/blue
5	orange
6	green

4. If the JSDV-100 is the last USL-LINK device in the chain (or the only device), move the jumper on J-4 to the "TERM" position to terminate the end of the USL-LINK transmission line.
5. Plug the cable into the JSD-100 USL-LINK jack on the rear panel.
6. Plug the cable into the JSDV-100. When initially plugged in, the display on the JSDV-100 should light as "8.8." for a couple seconds.
7. Wait about a minute for the JSD-100 to discover/recognize the JSDV-100. Try adjusting the fader level with the JSDV-100. The display should light showing the current fader level.

Configuration

The JSDV-100 display timeout may be set to blank after a specified number of seconds beyond the last remote adjustment of fader level. The number of seconds before blanking is set in the "Global" tab of the GUI. If the GUI does not have this setting in the Global tab, it may be set using the "Diagnostics" tab. Once the diagnostics tab is selected, click the mouse in the terminal area of the screen. Type `jsd100.sys.rv_timeout` and the enter key to see the current timeout value. Type `jsd100.sys.rv_timeout`, the tab key, the desired number of seconds, and the enter key. A value of zero prevents a display timeout. The display will always be active. Remember to "Save Settings" when disconnecting from the JSD-100 using the "Disconnect" button.

